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## RAW SEQUENCE LISTING

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## RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/519,465A

TIME: 10:36:49

Input Set : A:\3190-069 Sequence Listing.txt

Output Set: N:\CRF4\01132006\J519465A.raw

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3 <110> APPLICANT: DOI, Hirofumi
4      HOSOGI, Shinya
5      WADA, Naoya
7 <120> TITLE OF INVENTION: MKK7 Activation Inhibitor
9 <130> FILE REFERENCE: 3190-069
11 <140> CURRENT APPLICATION NUMBER: 10/519,465A
12 <141> CURRENT FILING DATE: 2004-12-27
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/008179
15 <151> PRIOR FILING DATE: 2003-06-27
17 <150> PRIOR APPLICATION NUMBER: JP P 2002-190909
18 <151> PRIOR FILING DATE: 2002-06-28
20 <150> PRIOR APPLICATION NUMBER: JP P 2002-190910
21 <151> PRIOR FILING DATE: 2002-06-28
23 <160> NUMBER OF SEQ ID NOS: 46
25 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 7
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: MISC_FEATURE
34 <223> OTHER INFORMATION: Partial sequence of MKK7, which is highly homologous to that
(SEQ
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38 <400> SEQUENCE: 1
40 Asp Val Trp Ser Leu Gly Ile
41 1      5
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 6
45 <212> TYPE: PRT
46 <213> ORGANISM: Homo sapiens
48 <220> FEATURE:
49 <221> NAME/KEY: MISC_FEATURE
50 <223> OTHER INFORMATION: Partial sequence of MKK7, which is highly homologous to that
(SEQ
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54 <400> SEQUENCE: 2
58 Pro Pro Ala Arg Pro Arg
59 1      5
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 7
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
67 <220> FEATURE:

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68 <221> NAME/KEY: MISC\_FEATURE

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69 <223> OTHER INFORMATION: Partial sequence of PAK4, which is highly homologous to that  
(SEQ

70 ID NO:1) of MKK7  
 73 <400> SEQUENCE: 3  
 75 Asp Ile Trp Ser Leu Gly Ile  
 76 1 5  
 79 <210> SEQ ID NO: 4  
 80 <211> LENGTH: 6  
 81 <212> TYPE: PRT  
 82 <213> ORGANISM: Homo sapiens  
 84 <220> FEATURE:  
 85 <221> NAME/KEY: MISC\_FEATURE

86 <223> OTHER INFORMATION: Partial sequence of PAK4, which is highly homologous to that  
(SEQ

87 ID NO:2) of MKK7  
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 92 Pro Pro Ala Arg Ala Arg  
 93 1 5  
 96 <210> SEQ ID NO: 5  
 97 <211> LENGTH: 6  
 98 <212> TYPE: PRT  
 99 <213> ORGANISM: Homo sapiens  
 101 <220> FEATURE:  
 102 <221> NAME/KEY: misc\_feature

103 <223> OTHER INFORMATION: Partial sequence of MKK7, which is highly homologous to that  
(SEQ

104 ID NO:7) of JIK  
 107 <400> SEQUENCE: 5  
 109 Trp Ser Leu Gly Ile Ser  
 110 1 5  
 116 <210> SEQ ID NO: 6  
 117 <211> LENGTH: 6  
 118 <212> TYPE: PRT  
 119 <213> ORGANISM: Homo sapiens  
 121 <220> FEATURE:  
 122 <221> NAME/KEY: misc\_feature

123 <223> OTHER INFORMATION: Partial sequence of MKK7, which is highly homologous to that  
(SEQ

124 ID NO:8) of JIK  
 127 <400> SEQUENCE: 6  
 129 Leu Glu Ala Lys Leu Lys  
 130 1 5  
 133 <210> SEQ ID NO: 7  
 134 <211> LENGTH: 6  
 135 <212> TYPE: PRT  
 136 <213> ORGANISM: Homo sapiens  
 138 <220> FEATURE:  
 139 <221> NAME/KEY: misc\_feature

140 <223> OTHER INFORMATION: Partial sequence of JIK, which is highly homologous to that  
(SEQ

141 ID NO:5) of MKK7  
 144 <400> SEQUENCE: 7  
 146 Trp Ser Leu Gly Ile Thr

147 1

5

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 152 <212> TYPE: PRT  
 153 <213> ORGANISM: Homo sapiens  
 155 <220> FEATURE:  
 156 <221> NAME/KEY: misc\_feature  
 157 <223> OTHER INFORMATION: Partial sequence of JIK, which is highly homologous to that

(SEQ

158 ID NO:6) of MKK7  
 161 <400> SEQUENCE: 8  
 163 Leu Glu Asn Lys Leu Lys  
 164 1 5  
 167 <210> SEQ ID NO: 9  
 168 <211> LENGTH: 24  
 169 <212> TYPE: PRT  
 170 <213> ORGANISM: Homo sapiens  
 173 <220> FEATURE:  
 174 <221> NAME/KEY: MISC\_FEATURE

175 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local alignment

176 between MKK7 and PAK4  
 179 <400> SEQUENCE: 9  
 181 Tyr Asp Ile Arg Ala Asp Val Trp Ser Leu Gly Ile Ser Leu Val Glu  
 182 1 5 10 15  
 185 Leu Ala Thr Gly Gln Phe Pro Tyr  
 186 20  
 189 <210> SEQ ID NO: 10  
 190 <211> LENGTH: 24  
 191 <212> TYPE: PRT  
 192 <213> ORGANISM: Homo sapiens  
 194 <220> FEATURE:  
 195 <221> NAME/KEY: misc\_feature  
 196 <223> OTHER INFORMATION: Partial sequence of PAK4, showing high score in the local alignment

197 between MKK7 and PAK4  
 200 <400> SEQUENCE: 10  
 202 Tyr Gly Pro Glu Val Asp Ile Trp Ser Leu Gly Ile Met Val Ile Glu  
 203 1 5 10 15  
 206 Met Val Asp Gly Glu Pro Pro Tyr  
 207 20  
 210 <210> SEQ ID NO: 11  
 211 <211> LENGTH: 5  
 212 <212> TYPE: PRT  
 213 <213> ORGANISM: Homo sapiens  
 215 <220> FEATURE:  
 216 <221> NAME/KEY: misc\_feature  
 217 <223> OTHER INFORMATION: Partial sequence identical in the sequences of MKK7, PAK4

and JIK

220 <400> SEQUENCE: 11  
 222 Trp Ser Leu Gly Ile  
 223 1 5  
 230 <210> SEQ ID NO: 12  
 231 <211> LENGTH: 32

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232 <212> TYPE: PRT  
233 <213> ORGANISM: Homo sapiens  
235 <220> FEATURE:  
236 <221> NAME/KEY: MISC\_FEATURE  
237 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local alignment  
238        between MKK7 and PAK4  
241 <400> SEQUENCE: 12  
243 Leu Glu Asn Leu Gly Glu Met Gly Ser Gly Thr Cys Gly Gln Val Trp  
244 1                    5                   10                   15  
247 Lys Met Arg Phe Arg Lys Thr Gly His Val Ile Ala Val Lys Gln Met  
248                    20                   25                   30  
251 <210> SEQ ID NO: 13  
252 <211> LENGTH: 32  
253 <212> TYPE: PRT  
254 <213> ORGANISM: Homo sapiens  
256 <220> FEATURE:  
257 <221> NAME/KEY: misc\_feature  
258 <223> OTHER INFORMATION: Partial sequence of PAK4, showing high score in the local alignment  
259        between MKK7 and PAK4  
262 <400> SEQUENCE: 13  
264 Leu Asp Asn Phe Ile Lys Ile Gly Glu Gly Ser Thr Gly Ile Val Cys  
265 1                    5                   10                   15  
268 Ile Ala Thr Val Arg Ser Ser Gly Lys Leu Val Ala Val Lys Lys Met  
269                    20                   25                   30  
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274 <212> TYPE: PRT  
275 <213> ORGANISM: Homo sapiens  
277 <220> FEATURE:  
278 <221> NAME/KEY: MISC\_FEATURE  
279 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local alignment  
280        between MKK7 and PAK4  
283 <400> SEQUENCE: 14  
287 Pro Thr Pro Pro Ala Arg Pro Arg His Met Leu Gly Leu Pro  
288 1                    5                   10  
291 <210> SEQ ID NO: 15  
292 <211> LENGTH: 14  
293 <212> TYPE: PRT  
294 <213> ORGANISM: Homo sapiens  
296 <220> FEATURE:  
297 <221> NAME/KEY: misc\_feature  
298 <223> OTHER INFORMATION: Partial sequence of PAK4, showing high score in the local alignment  
299        between MKK7 and PAK4  
302 <400> SEQUENCE: 15  
304 Pro Pro Pro Pro Ala Arg Ala Arg Gln Glu Asn Gly Met Pro  
305 1                    5                   10  
308 <210> SEQ ID NO: 16  
309 <211> LENGTH: 4  
310 <212> TYPE: PRT

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Input Set : A:\3190-069 Sequence Listing.txt

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311 <213> ORGANISM: Homo sapiens  
 313 <220> FEATURE:  
 314 <221> NAME/KEY: misc\_feature  
 315 <223> OTHER INFORMATION: Partial sequence identical in the sequences of MKK7 and PAK4  
 318 <400> SEQUENCE: 16  
 320 Pro Pro Ala Arg  
 321 1  
 324 <210> SEQ ID NO: 17  
 325 <211> LENGTH: 22  
 326 <212> TYPE: PRT  
 327 <213> ORGANISM: Homo sapiens  
 329 <220> FEATURE:  
 330 <221> NAME/KEY: misc\_feature  
 331 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local alignment  
 332       between MKK7 and PAK4  
 335 <400> SEQUENCE: 17  
 337 Leu Thr Lys Asp His Arg Lys Arg Pro Lys Tyr Asn Lys Leu Leu Glu  
 338 1           5                   10                   15  
 341 His Ser Phe Ile Lys Arg  
 342           20  
 345 <210> SEQ ID NO: 18  
 346 <211> LENGTH: 22  
 347 <212> TYPE: PRT  
 348 <213> ORGANISM: Homo sapiens  
 350 <220> FEATURE:  
 351 <221> NAME/KEY: misc\_feature  
 352 <223> OTHER INFORMATION: Partial sequence of PAK4, showing high score in the local alignment  
 353       between MKK7 and PAK4  
 356 <400> SEQUENCE: 18  
 358 Leu Val Arg Asp Pro Ala Gln Arg Ala Thr Ala Ala Glu Leu Leu Lys  
 359 1           5                   10                   15  
 361 His Pro Phe Leu Ala Lys  
 362           20  
 365 <210> SEQ ID NO: 19  
 366 <211> LENGTH: 31  
 367 <212> TYPE: PRT  
 368 <213> ORGANISM: Homo sapiens  
 370 <220> FEATURE:  
 371 <221> NAME/KEY: misc\_feature  
 372 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local alignment  
 373       between MKK7 and PAK4  
 376 <400> SEQUENCE: 19  
 378 Val Val Leu Lys Ser His Asp Cys Pro Tyr Ile Val Gln Cys Phe Gly  
 379 1           5                   10                   15  
 382 Thr Phe Ile Thr Asn Thr Asp Val Phe Ile Ala Met Glu Leu Met  
 383           20                   25                   30  
 386 <210> SEQ ID NO: 20  
 387 <211> LENGTH: 31  
 388 <212> TYPE: PRT

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/519,465A

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